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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/657,415	09/08/2003	Elissa E. Carapella	42P6139CD	9024
8791	7590 10/28/2005		EXAM	INER
	SOKOLOFF TAYLO	NGUYEN, D	ONGHAI D	
12400 WILSHIRE BOULEVARD SEVENTH FLOOR LOS ANGELES, CA 90025-1030			ART UNIT	PAPER NUMBER
			3729	

DATE MAILED: 10/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
	10/657,415	CARAPELLA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Donghai D. Nguyen	3729				
The MAILING DATE of this communication	on appears on the cover sheet wit	h the correspondence address -				
Period for Reply						
A SHORTENED STATUTORY PERIOD FOR IN WHICHEVER IS LONGER, FROM THE MAILI. - Extensions of time may be available under the provisions of 37 after SIX (6) MONTHS from the mailing date of this communical. - If NO period for reply is specified above, the maximum statutory. - Failure to reply within the set or extended period for reply will, by Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	NG DATE OF THIS COMMUNIC CFR 1.136(a). In no event, however, may a relation. period will apply and will expire SIX (6) MONT y statute, cause the application to become ABA	ATION. ply be timely filed HS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on	09 September 2005.	•				
3) Since this application is in condition for a	llowance except for formal matte	ers, prosecution as to the merits is				
closed in accordance with the practice up	nder Ex parte Quayle, 1935 C.D.	11, 453 O.G. 213.				
Disposition of Claims						
4) Claim(s) <u>17-40</u> is/are pending in the app 4a) Of the above claim(s) <u>21-29,33-35 ar</u>		onsideration.				
5) Claim(s) is/are allowed.	<u>, a oo , o</u> ,o, a, o , , , , , , , , , , , , , , ,					
6)⊠ Claim(s) <u>17-20,31,32,36 and 37</u> is/are re	jected.					
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction	and/or election requirement.					
Application Papers						
9) The specification is objected to by the Ex	aminer.					
10) The drawing(s) filed on is/are: a)		y the Examiner.				
Applicant may not request that any objection	to the drawing(s) be held in abeyand	ce. See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the	correction is required if the drawing(s	s) is objected to. See 37 CFR 1.121(d).				
11) The oath or declaration is objected to by	the Examiner. Note the attached	Office Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of:	oreign priority under 35 U.S.C. §	119(a)-(d) or (f).				
 Certified copies of the priority doct 	uments have been received.					
2. Certified copies of the priority doct	•					
3. Copies of the certified copies of the	·	received in this National Stage				
application from the International B						
* See the attached detailed Office action for	a list of the certified copies not r	eceived.				
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview St	ummary (PTO-413)				

Paper No(s)/Mail Date _

2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date. _____.

5) Notice of Informal Patent Application (PTO-152)

6) Other: ____.

DETAILED ACTION

Response to Amendment

1. The amendment filed on September 09, 2005 has been considered and made record.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) The invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 17-20, 31, 32, 36, and 37 are rejected under 35 U.S.C. 102(e) as being anticipated by US Patent 5,825,084 to Lau et al.

Regarding claim 17, Lau et al disclose a method of forming an integrated circuit package (see Fig. 1B), comprising: providing a package housing having a first bonding pads (110' in Fig. 2A or 210 in Fig 4B) located on a first bond shelf (100, 200 etc.), the bond shelf including top surface and a fist edge (See Figs. 2A and 4B); forming a fist conductive strip (215, see details in Co1. 5, lines 32-33) along the first edge of the first bond shelf, the conductive strip wrapping around and over the first edge of the first bond shelf to electrically couple at least one of the first plurality of bonding pads on the first the bond shelf to a first conductor under the first bond shelf (See Fig. 2A-B); and, removing a portion (130) of the first conductive strips (see Figs. 2A, 3D, 4D).

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Regarding claim 31, Lau et al disclose a method of forming an integrated circuit package (see Fig. 1B), comprising: providing a package housing having a first bond shelf (100, 200 etc.) with a top surface and an inside surface (See Figs. 2A, 4B); forming a conductive material (215, Co1. 5, lines 32-33) along the inside surface of the first bond shelf (Fig. 4B), a first portion of the conductive material wrapping around from the inside surface onto the top surface of the first bond shelf (Col. 4, lines 38-40) to form at least one of a first plurality of bonding pads (110' or 210) on the top surface of the bond shelf (See Fig. 4C); and, removing a second portion (130) of the conductive material along the inside surface of the bond shelf to form a pair of separate conductive strips along the inside surface of the bond shelf (see Figs. 2A, 3D, 4D).

Regarding claim 36, Lau et al disclose a method of forming an integrated circuit package (see Fig. 1B), comprising: providing a package housing having a rectangular bond shelf (100, 200 etc.) with a rectangular top surface and an inside surface perpendicular with the top surface (See Figs. 2A, 4B), the bond shelf having a first plurality of bonding pads (110'/210) located on the top surface; forming a conductive material (Co1. 5, lines 32-33) along the side surface of the bond shelf, a first portion of the conductive material wrapping around from the inside surface onto the top surface of the bond shelf (Col. 4, lines 38-40) to couple to at least one of the first plurality of bonding pads on the top surface of the bond shelf (See Fig. 4C); and, removing a second portion (130) of the conductive material along the inside surface of the bond shelf (see Figs. 2A, 3D, 4D).

Regarding claims 18, 32, and 37, Lau et al disclose the conductive strip is formed by plating (Col. 5, lines 39-41).

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Regarding claims 19-20, Lau et al disclose the first conductor under the first bond shelf is being a power bus (Col. 4, lines 41-47) and/or being a routing trace (150) as depicted in Fig. 2C.

Response to Arguments

4. Applicant's arguments filed September 09, 2005 have been fully considered but they are not persuasive. Applicants argue that Lau et al do not disclose the conductive strip wrapping around the first edge (see, "Remarks", page 7, 5th paragraph). The Examiner disagrees and refers Applicants to Lau et al reference i.e. Fig. 2B which shows the conductive strip wrapping around the first edge and discussion at Col. 4, lines 38-40. Therefore, the limitation of wrapping the conductive strip is held to be met by the Lau et al reference.

Conclusion

5. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Donghai D. Nguyen whose telephone number is (571)-272-4566. The examiner can normally be reached on Monday-Friday (9:00-6:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter D. Vo can be reached on (571)-272-4690. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DN October 24, 2005

PRIMARY EXAMINER